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CLAIMS:

What is claimed is:

1 1.   A method for creating an Extensible-Style Language

2 Transformation (XSLT) document from a plurality of

3 Unified Modeling Language (UML) model documents or

4 Extensible Markup Language (XML) schemas created from the

5 plurality of UML model documents, the method comprising

6 the steps of:

7   providing a plurality of UML documents;

8   determining at least one difference between a

9 content of one UML document of said plurality of UML

10 documents and a content of a second UML document of said

11 plurality of UML documents; and

12   creating an XSL fragment including said at least one

13 difference between said content of said one UML document

14 of said plurality of UML documents and said content of

15 said second UML document of said plurality of UML

16 documents.

1 2.   The method of Claim 1, wherein the providing,

2 determining and creating steps comprise the steps of:

3   providing a plurality of XML schema documents from

4 said plurality of UML documents;

5   determining at least one difference between a

6 content of one XML schema document of said plurality of

7 XML schema documents and a content of a second XML schema

8 document of said plurality of XML schema documents; and

9   creating an XSL fragment including said at least one

10 difference between said content of said one XML schema

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11 document of said plurality of XML schema documents and
12 said content of said second XML schema document of said
13 plurality of XML schema documents.

1   3.   The method of Claim 1, further comprising the steps
2   of:
3   filtering out at least one non-difference from said
4   content of said one UML document of said plurality of UML
5   documents; and
6   adding said at least one difference to said content
7   of said second UML document of said plurality of UML
8   documents.

1   4.   The method of Claim 2, wherein the filtering and
2   adding steps comprise the steps of:
3   filtering out at least one non-difference from said
4   content of said one XML schema document of said plurality
5   of XML schema documents; and
6   adding said at least one difference to said content
7   of said second XML schema document of said plurality of
8   XML schema documents.

1   5.   The method of Claim 1, further comprising the step
2   of transforming a format of said one UML document to a
3   format of said second UML document.

1   6.   The method of Claim 1, wherein said plurality of UML
2   documents comprises two UML documents.

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1   7.   The method of Claim 1, wherein said content of said
2   one UML document comprises configuration settings for an
3   older version of a product, and said content of said
4   second UML document comprises configuration settings for
5   a newer version of said product.

1   8.   The method of Claim 1, wherein said content of said
2   one UML document comprises a plurality of attributes for
3   an older version of a product, and said content of said
4   second UML document comprises a plurality of attributes
5   for a newer version of said product.

1   9.   An apparatus for creating an Extensible-Style
2   Language Transformation (XSLT) document from a plurality
3   of Unified Modeling Language (UML) model documents or
4   Extensible Markup Language (XML) schemas created from the
5   plurality of UML model documents, comprising:
6   a storage unit, said storage unit operable to:
7   provide a plurality of UML documents; and a
8   processor unit, said processor unit coupled to said
9   storage unit and operable to:
10   determine at least one difference between a content
11 of one UML document of said plurality of UML documents
12 and a content of a second UML document of said plurality
13 of UML documents; and
14   create an XSL fragment including said at least one
15 difference between said content of said one UML document
16 of said plurality of UML documents and said content of
17 said second UML document of said plurality of UML
18 documents.

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1   10.   The apparatus of Claim 9, wherein the providing,
2   determining and creating operations comprise operations
3   to:
4   provide a plurality of XML schema documents from
5   said plurality of UML documents;
6   determine at least one difference between a content
7   of one XML schema document of said plurality of XML
8   schema documents and a content of a second XML schema
9   document of said plurality of XML schema documents; and
10   create an XSL fragment including said at least one
11 difference between said content of said one XML schema
12 document of said plurality of XML schema documents and
13 said content of said second XML schema document of said
14 plurality of XML schema documents.

1   11.   The apparatus of Claim 9, wherein said processor
2   unit is further operable to:
3   filter out at least one non-difference from said
4   content of said one UML document of said plurality of UML
5   documents; and
6   add said at least one difference to said content of
7   said second UML document of said plurality of UML
8   documents.

1   12.   The apparatus of Claim 10, wherein the filtering and
2   adding operations comprise operations to:
3   filter out at least one non-difference from said
4   content of said one XML schema document of said plurality
5   of XML schema documents; and

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6   add said at least one difference to said content of

7 said second XML schema document of said plurality of XML

8 schema documents.

1 13. The apparatus of Claim 9, wherein said processor

2 unit is further operable to transform a format of said

3 one UML document to a format of said second UML document.

1 14. The apparatus of Claim 9, wherein said plurality of

2 UML documents comprises two UML documents.

1 15. The apparatus of Claim 9, wherein said content of

2 said one UML document comprises configuration settings

3 for an older version of a product, and said content of

4 said second UML document comprises configuration settings

5 for a newer version of said product.

1 16. The apparatus of Claim 9, wherein said content of

2 said one UML document comprises a plurality of attributes

3 for an older version of a product, and said content of

4 said second UML document comprises a plurality of

5 attributes for a newer version of said product.

1 17. A computer program product in a computer readable

2 medium for creating an Extensible-Style Language

3 Transformation (XSLT) document from a plurality of

4 Unified Modeling Language (UML) model documents or

5 Extensible Markup Language (XML) schemas created from the

6 plurality of UML model documents, the computer program

7 product comprising:

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8   first instructions for providing a plurality of UML

9   documents;

10   second instructions for determining at least one

11   difference between a content of one UML document of said

12   plurality of UML documents and a content of a second UML

13   document of said plurality of UML documents; and

14   third instructions for creating an XSL fragment

15   including said at least one difference between said

16   content of said one UML document of said plurality of UML

17   documents and said content of said second UML document of

18   said plurality of UML documents.

1   18. The computer program product of Claim 17, wherein

2   the first, second and third instructions comprise:

3   first instructions for providing a plurality of XML

4   schema documents from said plurality of UML documents;

5   second instructions for determining at least one

6   difference between a content of one XML schema document

7   of said plurality of XML schema documents and a content

8   of a second XML schema document of said plurality of XML

9   schema documents; and

10   third instructions for creating an XSL fragment

11   including said at least one difference between said

12   content of said one XML schema document of said plurality

13   of XML schema documents and said content of said second

14   XML schema document of said plurality of XML schema

15   documents.

1   19. The computer program product of Claim 17, further

2   comprising:

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3   fourth instructions for filtering out at least one

4   non-difference from said content of said one UML document

5   of said plurality of UML documents; and

6   fifth instructions for adding said at least one

7   difference to said content of said second UML document of

8   said plurality of UML documents.

1   20. The computer program product of Claim 18, wherein

2   the fourth and fifth instructions comprise:

3   fourth instructions for filtering out at least one

4   non-difference from said content of said one XML schema

5   document of said plurality of XML schema documents; and

6   fifth instructions for adding said at least one

7   difference to said content of said second XML schema

8   document of said plurality of XML schema documents.